

CHAPTER OVERVIEW

9: Chemical Bonding and Molecular Structure

Why do some atoms join together to form molecules, but others do not? Why is the CO_2 molecule linear whereas H_2O is bent? How can we tell? How does hemoglobin carry oxygen through our bloodstream? There is no topic more fundamental to Chemistry than the nature of the chemical bond, and the introduction you find here will provide you with an overview of the fundamentals and a basis for further study.

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[9.2: Molecules - Properties of Bonded Atoms](#)

[9.3: Models of Chemical Bonding](#)

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